ABSTRACT

The present invention relates to a plasma display device and to a method of producing a phosphor to be used for the device, that prevents the phosphor layer from deteriorating, and improves the luminance, life, and reliability, of a plasma display panel (PDP). The plasma display device is equipped with a plasma display panel in which a plurality of discharge cells are arranged, phosphor layers (110R, 110G, 110B) in color corresponding to each discharge cell are disposed, and phosphor layers (110R, 110G, 110B) are excited by ultraviolet light to emit light. Green phosphor layer (110G) has a green phosphor including Zn_2SiO_4:Mn, the element ratio of zinc (Zn) to silicon (Si) at the proximity of its surface is 2/1, which is the stoichiometric ratio, and the layer is positively charged or zero-charged.